OCZ

VECTOR 150

The Original Vector Series Broke New Ground

Why Manage Barriers…When You Can Shatter Them

The original OCZ Vector Series broke new ground, but it's the next generation Vector 150 Series that shatters today's SSD barriers by providing unparalleled sustained storage performance and long-term endurance.

Putting Hard Drives to Shame

Meet the storage expectations you didn't know you had and experience accelerated application responsiveness, increased productivity, and improved energy efficiency with this simple upgrade.

Don't Settle for Performance *or* Endurance

Get the best of both worlds and get a computing experience second to none. Vector 150 SSDs not only start off fast, but stay fast and offer a leading 5 year warranty with up to 50GB per day of host writes under consumer workloads.

Product Highlights

- Latest 19nm process geometry NAND for exceptional performance on consumer workstations, desktops, and laptops
- Ultimate endurance, rated for an industry-leading 50GB/day of host writes for 5 years (typical client workloads)
- Proprietary Barefoot 3 controller technology delivers superior sustained speeds over the long term
- Excels in both incompressible and compressible data types such as multimedia, encrypted data, .ZIP files and software
- Advanced suite of NAND flash management to analyze and dynamically adapt as flash cells wear
- Superior reliability with in-house technology and high quality components based on the latest technology
- Bundled with 3.5" desktop adapter and Acronis® True Image™ cloning software to easily transfer data from your old hard drive
- Sleek alloy housing offers slim 7mm z-height for compatibility with the latest thinner form factor notebooks

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PHYSICAL SPECIFICATIONS

Usable Capacities	120GB, 240GB, 480GB
NAND Components	19nm Multi-Level Cell (MLC) Flash
Interface	SATA 3.0 6Gb/s
Controller	Barefoot 3
Form Factor	2.5-inch; ultra-slim 7mm
Dimensions	99.7 (L) x 69.75 (W) x 7mm (H)
Drive Weight	115g

ENVIRONMENTAL SPECIFICATIONS

Power Consumption	Idle: 0.55W Active: 2.50W
Operating Temperature	0°C ~ 70°C
Storage Temperature	-45°C ~ 85°C
Shock Resistance	1500G/0.5ms
Vibration (Operational)	2.17Grms (7-800Hz)
Vibration (Non-operational)	16.3Grms (20-2000Hz)
Certifications	RoHS, CE, FCC, KCC, C-Tick, VCCI, BSMI

PERFORMANCE

	120GB	240GB	480GB
Sequential Read Speed	550 MB/s	550 MB/s	550 MB/s
Sequential Write Speed	450 MB/s	530 MB/s	530 MB/s
Random Read Speed (4K, QD32)	80,000 IOPS	90,000 IOPS	100,000 IOPS
Random Write Speed (4K, QD32)	95,000 IOPS	95,000 IOPS	95,000 IOPS
Steady State Random Write (4K, QD32)	12,000 IOPS	21,000 IOPS	26,000 IOPS

RELIABILITY / COMPATIBILITY SPECIFICATIONS

Data Path Protection	BCH ECC corrects up to 44 random bits/1KB
MTBF	2.3 million hours
Encryption	256-bit AES-compliant
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) Support
Endurance	Rated for 50GB/day of host writes for 5 years under typical client workloads
Serial ATA	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.0. Fully compliant with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)
Operating Systems	Windows, Mac, Linux

ADDITIONAL

Performance Optimizations	TRIM (requires OS support), Idle Time Garbage Collection
Package Contents	Acronis True Image HD cloning software* 3.5” desktop adapter
Warranty	5-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support

Drive Model	Part Number	UPC
120GB	VTR150-25SAT3-120G	842024034049
240GB	VTR150-25SAT3-240G	842024034056
480GB	VTR150-25SAT3-480G	842024034063

*Current version of Acronis True Image HD supports Windows 8, 7, Vista, and XP

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